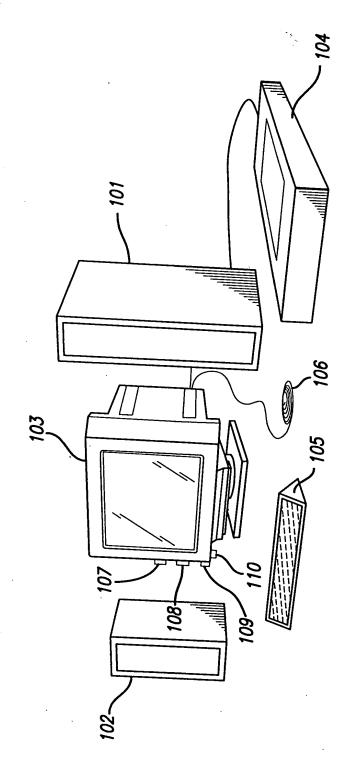
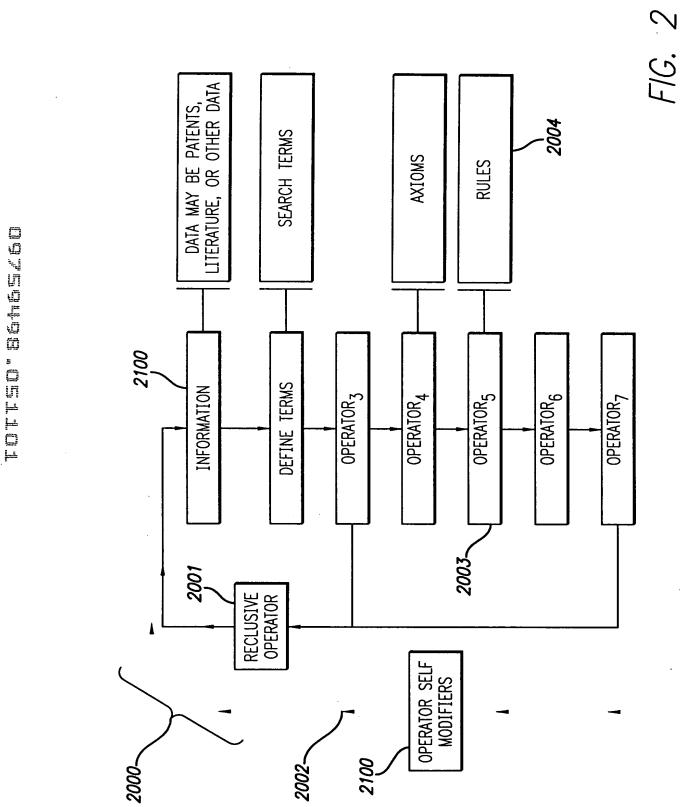
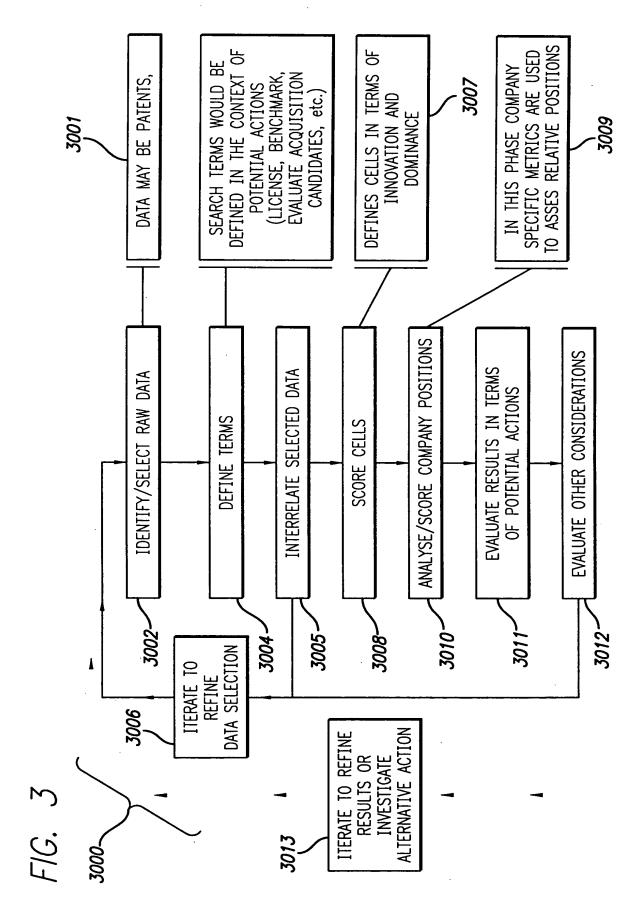
FIG. 1

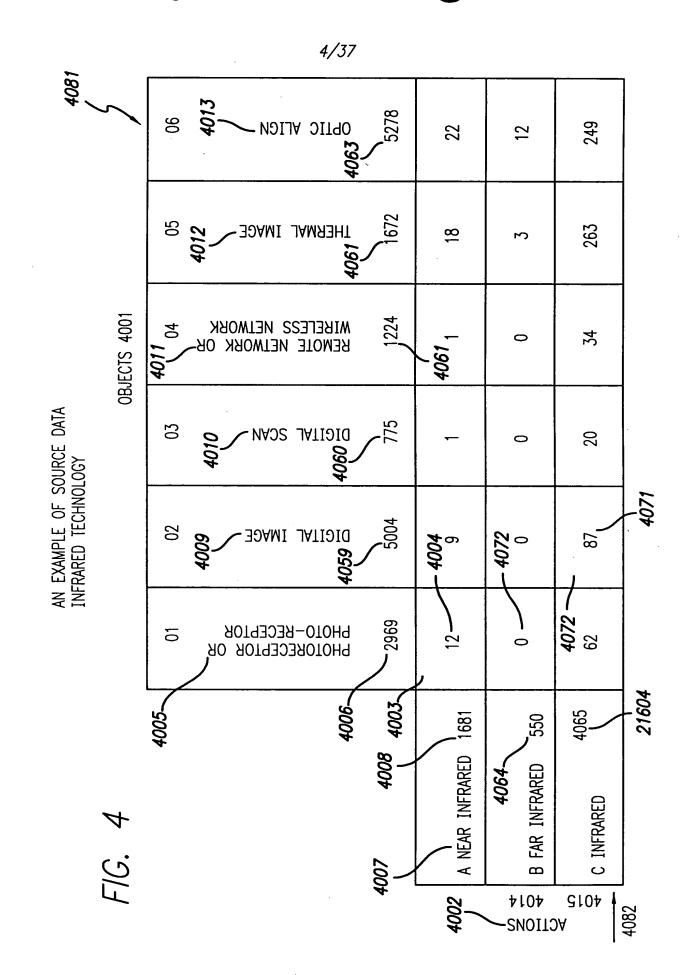


S#





OSVESHOE DELIGI



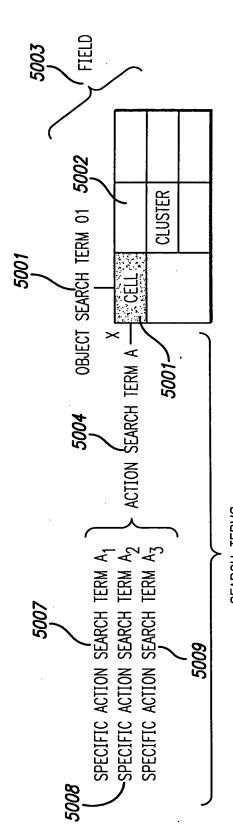
F1G. 5

INITIAL DEFINITIONS

SEARCH TERM-A STRING OF TEXT TO BE FOUND WITHIN THE TEXT OR CLAIMS OF DESIRED PATENTS. SEARCH TERMS CAN BE CLASSIFIED AS EITHER "ACTION" OR "OBJECT." SEVERAL RELATED ACTION SEARCH TERMS MAY BE COMBINED TO REFLECT A SINGLE ACTION

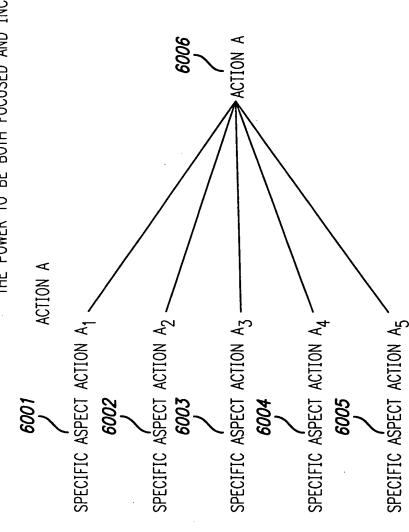
CELLS ARE GIVEN A REFERENCE CODE (è.g. A01) TO DEPÍCT THE COMBINATION OF SOURCE SEARCH TERMS. THE REFERENCE CODE MAY BE FOLLOWED BY A C OR T TO NOTE THAT THE SEARCH TERMS WERE FOUND WITHIN THE TEXT OR CLAIMS OF THE INCLUDED PATENTS. .—A CROSS SECTION OF SEARCH TERMS (ACTION X OBJECT)

CLUSTER—A GROUP OF NATURALLY RELATED CELLS. FIELD—A PATENT LANDSCAPE DEFINED BY THE COMPOSITE OF ALL CELLS.



SEARCH TERMS

THE POWER TO BE BOTH FOCUSED AND INCLUSIVE



F/G. 6

*PATENTS IDENTIFIED IN ANY OF THESE SPECIFIC TERMS ARE ROLLED INTO ONE ACTION DATA SET.

						7/	/37					
		900	3							_		
		502	-		-	_		-	<u>-</u>	-		
		C04	-									
	010/	C03	2		-	_		_	_		-	
	7008 7009 7010	co1 co2 co3 co4 co5 co6	-			1		-	_	_	-	
	8		-			1	- 4112					
		WEIGHTED ACTION			C	7	3	4	3	5	ر. بى	
9002/	7007	WEIGHTED HITS			V	+	4	4	4	5	4	
ORT		HITS			۲	٦	3	3	3	3	2	
PATENT CROSS TAB REPORT	7005	DOCUMENT TYPE			SI	3	PCT	PCT	SN	Sn	SN	
TENT CROS	7004	ISSUED			700M 2715700	00/01/7	Z00M 8/13/98	8/13/98	4/14/98	9/11/84	2/8/00	
/d	7003	TITLE			SPRITE THERMAL IMAGING SYSTEM WITH FIFCTRONIC ZOOM		SPRITE THERMAL IMAGING SYSTEM WO 98/35496 WITH ELECTRONIC ZOOM	WO 98/35497 IMAGING SYSTEM	SPRITE THERMAL IMAGING SYSTEM	THERMAL SIGHT TRAINER 9/11/84	METHOD AND APPARATUS FOR THERMAL RADIATION IMAGING	
7-1	7002	DOCUMENT D		7011) }		WO 98/35496	WO 98/35497	5739531	4470816		
FIG. 7-1	7001	ASSIGNEE	OBJECT WEIGHTS		HF HOLDINGS	TIC HOCDINGS	RAYTHEON	RAYTHEON	HE HOLDINGS	UNITED STATES OF AMERICA	LIU, ZHONG QI 6023637	

_			0/3/	
_		.		
				-
_				
_				
_		· -	-	-
_				
		2	2	-
_		4	-	-
		2	2	2
		EP-B	SN	SN
		10/20/99	10/5/99	6/1/99
		A SYSTEM FOR THE MONITORING AND DETECTION OF HEAT SOURCES IN OPEN AREAS	MEHTOD OF DETECTION OF CANCEROUS LESIONS BY THEIR EFFECT ON THE SPATIAL DISTRIBUTION OF MODULATION OF TEMPERATURE AND HOMOGENEITY OF TISSUE	REAL TIME ADAPTIVE DIGITAL IMAGE PROCESSING FOR DYNAMIC RANGE REMAPPING OF IMAGERY INCLUDING LOW-LIGHT-LEVEL VISIBLE IMAGERY
, ,	۷	EP 0 611 242 B1	5961466	5909244
$L = \frac{1}{2}$		EMPRESA NACIONAL BAZAN DE CON- STRUCCIONES NAVAL MILITARIES	OMNICORDER TECHNOLOGIES	MASSA- CHUSETTES INSTITUTE OF TECHNOLOGY

	r		9/37		
		-	-		-
	-	—	-		-
				-	
-	-			-	
				1	
-	4	2	2	2	-
4	-	4	4	3	4
2	2	2	2	2	2
Sn	SN	SN	SN	SN	EP-A
9/29/98	5/26/98	4/7/98	26/02/6	9/16/97	3/12/97
METHOD AND APPARATUS FOR ANALYZING AN IMAGE TO DETECT AND IDENTIFY DEFECTS	SIMPLIFIED SIMULATION OF EFFECTS OF TURBULENCE ON DIGITAL IMAGERY	THERMAL IMAGING DEVICE	THERMAL IMAGING DEVICE WITH SELECTIVELY REPLACEABLE TELESCOPIC LENSES AND AUTOMATIC LENS IDENTIFICATION	DIGITAL IMAGING DEVICE OPTIMIZED FOR COLOR PERFORMANCE	THERMAL IMAGING DEVICE
5815198	2756990	5737119	5673143	9628999	EP 0 762 173 A2
VACHTSEVANOS, GEORGE J.	UNITED STATES OF AMERICA	HUGHES ELECTRONICS	HUGHES ELECTRONICS	EASTMAN KODAK	HE HOLDINGS Dbd HUGHES ELECTRONICS

FIG. 7-3

				•		10/37					
	.RC 06										
	900	249	222	27	40	34	9	0.40	0.28	0.17	0.19
34 24	RC 05										
FIG. 8A-1	505	263	206	57	55	44	11	0.48	0.27	0.10	-0.02
2/-	RC 94										
4	C04	34	23	11	11	7	4	0.44	0.18	1.29	0:20
·	RC 03										
	003	20	17	3	10	7	ъ.	0.20	0.20	0.69	0.33
	RC 02										
	C02	87	65	22	33	22	=	0.26	0.18	0.62	0.87
	22.0										
P 8026	.co1	62	49	13	16	14	2	0.48	0.44	0.33	0.64
ROLLU	WEIGHTED ACTION										
ASSIGNEE 4 8025	WEIGHTED HITS										
3 8024	RECENT PATENTS										
8023	RECENT HITS										
225	HITS PATENTS										
%	S										
	S±33	-	 	ļ				\vdash			
8021 8022	ASSIĞNEE	ROU? DATENTS	8003 ISSUED PATENTS	8004 APPLIED PATENTS	8005 RECENT PATENTS	8006 ISSUED RECENT PATENTS	8007 APPLIED RECENT PATENTS	8008 DOMINANCE	8009 RECENT DOMINANCE	8010 ISSUED INNOVATION FACTOR 4	8011 APPLIED INNOVATION FACTOR 4
= (8		8	<u> &</u>	8	8	8	8	8	8
200	RANK				<u> </u>						

						11/	<i>'37</i>					_				
	-			<u> </u>			1	2			2					
0.02	ဖ	21	2			ъ	5	2	=	10	12		2	6		-
_	2	2	2		-	ļ	2	9				-			3	4-
-0.12	೫	=	13		14		10	9	3	2		3	8	1	6	8
	ļ					2										FIG.
-0.79		٣				12									1	FI
				-				2								
-0.36	-			-				2								
		-			-			2					1			
0.25	м	2	2		-	-	-	5					2			
				3								4			,	
0.31	м			17	2							6				
		·														
	•	• • • • • • • • • • • • • • • • • • •				-									8020	
															Ø —	
	4	2	'n	4	8	2	2	œ	-		2	2	-		3	
	4	3	3	4	7	2	3	12	—		2	5			3	
	42	31	20	18	11	16	13	=	13	12	12	12	12	9	10	
	£	34	8	8	17	16	16	15	4	12	12	12	12	10	10	
8012 PREDICTIVE INNOVATION FACTOR 4	EASTMAN KODAK	UNITED STATES OF AMERICA	TEXAS INSTRUMENTS	XEROX	MINNESOTA MINING & MANUFACTURING	INTL BUSINESS MACHINES	HUGHES ELECTRONICS	RAYTHEON	HUGHES AIRCRAFT	WESTINGHOUSE ELECTRIC	THERMOSCAN	KONICA	POLAROID	BARR & STROUD	MATSUSHITA INDUSTRIAL ELECTRIC	
	-	2	2	4	5	9	7	∞	6	10	11	12	13	14	15	

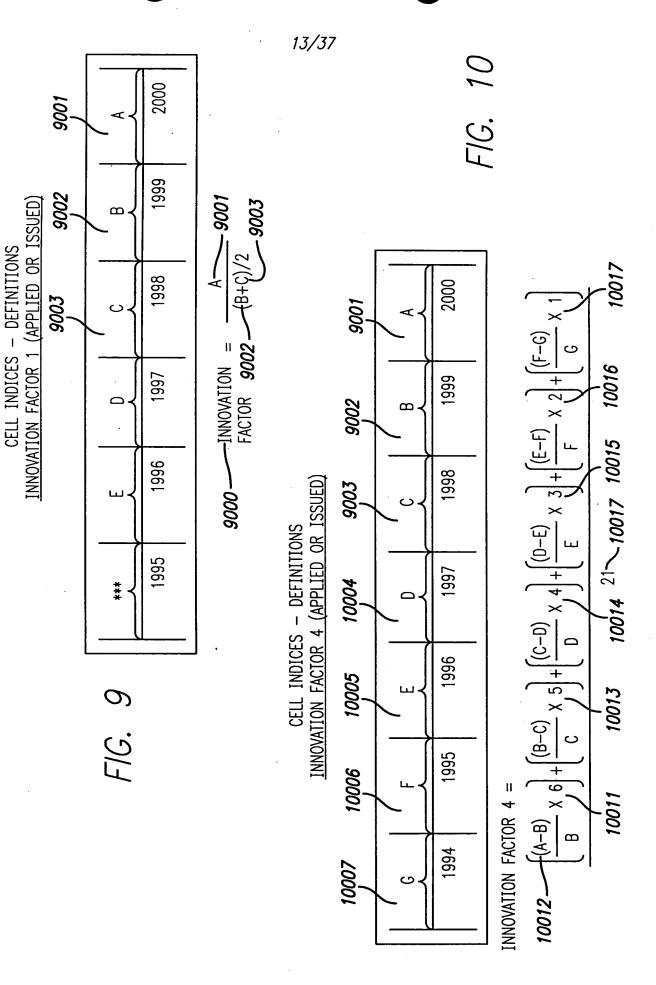
FIG. 8B

12/37 ASSIGNEE INDICES ASSIGNEE ROLLUP

rank	ASSIGNEE	нпъ	PATENTS	recent Hits	RECENT PATENTS	WEIGHTED HITS	WEIGHTED ACTION	C 01	RC 01	C02	RC 02	603	83	604	RC 04	C05	8 8	CO6	RC 06
Н	PATENT							62	Е	87	Е	20	Н	34	F	263	П	249	F
	ISSUED PATENTS							49	Н	65		17	Н	23	Н	206	Н	222	
	APPLIED PATENTS	1		_	<u> </u>			13	1	22		3	Н	11	_	57	Н	27	╆╾
	RECENT PATENTS							16	1	$\overline{\overline{u}}$	Н	10	1	11	Н	56	Н	40	┢
	ISSUED RECENT PATENTS							14	1	22	\vdash	7	1	7		44	Н	34	Н
	APPLIED RECENT PATENTS							2		11.		3	\vdash	4	Н	11	Н	6	┢
	DOMINANCE	Г						0.48		0.26		0.20	Н	0.44	т	0.48	М	0.40	-
	RECENT DOMINANCE							0.44		0.18		0.20	П	0.18		0.27	М	0.28	┢
	ISSUED INNOVATION FACTOR 4							0.33		0.62		0.69		1,29		0.10	П	0.17	
	APPLIED INNOVATION FACTOR 4	П						0.64		0.87	П	0.33		0.50	_	-0.02		0.19	
	PREDICTIVE INNOVATION FACTOR 4							0.31		0.25		0.36		-0.79		-0.12		0.02	
$\overline{}$	EASTMAN KODAK	43	42	4	1			í	П	Ļ	П	Ţ	П		П	10	戸	_	F
	UNITED STATES OF AMERICA	34	31	3				3_	\vdash	3	H		Н		Н	30	괵	6	ш
+1	TEXAS INSTRUMENTS		20	_	3				Н	_	ш		ш			11	2	21	_
	XEROX	20		3	_				H	2	Щ		ш		Щ	13	ㅋ	6	щ
		18	18	-	4			17	7		Ш		Щ				1		L
	MINNESOTA MINING & MANUFACTURING	17	17	2	2			2	Н	1	Щ		ш		\blacksquare	14	щ		L.
	INTL BUSINESS MACHINES	16	16	_2	2				\perp		Ш		Ш		ш		ш	_3_	Щ
	HUGHES ELECTRONICS	16	13	3	2				ш	1	\Box		ш			10	2	5	1
	RAYTHEON	15	11	12	8				\Box	_5_			ш		Ш	6	6	2	2
	HUGHES AIRCRAFT	14	13	1	1				ш		_		ш			3	Ш	11	1
	WESTINGHOUSE ELECTRIC	12	12						Ш				ш		Ш	2		10	Ц.
	THERMOSCAN	12	12	5	5				ш				ш					12	5
	KONICA	12	12	5	5			9	4				Ш			3	1		
	POLAROID	12	12	1	1					2						8		2	
	BARR & STROUD	10	10													_1		9	
15	MATSUSHITA INDUSTRIAL ELECTRIC	10	_ 10	3	3											9	3		

8021 8023 8024 8025 8026

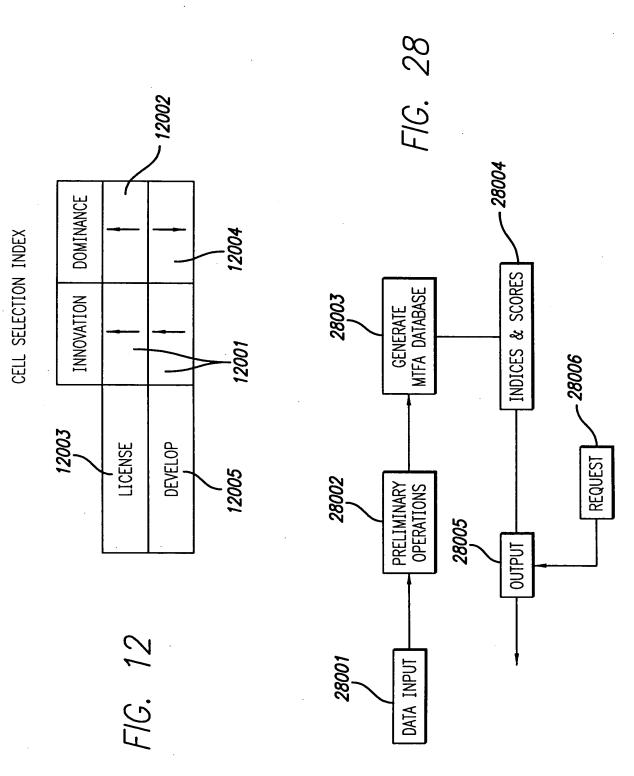
HITS	PATENTS	RECENT HITS	RECENT PATENTS	WEIGHTED HITS	WEIGHTED ACTIONS
			·		-
43	42	4	4	48	5
34	31	3	2	39	7
20	20	3	3	26	4
18	18	4	4	22	9
17	17	2	2	21	11
16	16	2	2	22	4
16	13	3	2	14	12
15	11	12	8	18	5
14	13	1	1	16	9
12	12			14	15
12	12	5	5	15	2
12	12	5	5	12	8
12	12	1	1	15	1
10	10			11	3
10	10	3	1	14	5



CELL SELECTION MATRIX

CELL SELECTION INDEX IS CALCULATED FOR EACH CELL BASED ON THE IMPLIED SUITABILITY FOR JOINT VENTURES OR INTERNAL DEVELOPMENT:

	(14/37						
	90	OPTIC ALIGN	0	14	3.5	0	9	1.5
	90	THERMAL IMAGE	9	0	1.75	14	0	0.75
	04	WIRELESS NETWORK REMOTE NETWORK OR	1.25		10.5	1.25		7
	03	DIGITAL SCAN	1.25		9	1.25		7.5
	70	DIGITAL IMAGE	4		15	9		15
	10	PHOTORECEPTOR OR PHOTO-RECEPTOR	4		70	16		5
EIC 11	/ /		LICENSE	LICENSE	TICENSE	DEVELOP	DEVELOP	DEVELOP
(· .		_ ∀	В	٥	V	В	ပ
//]			11001				11002	



CELL SELECTION MATRIX C05 E A03[___ A04[900 Alb 805 -A06 13041 13036 🔄 13003 13004 3005 13022 13042 FIG. 13A



20

15

9

15

20

CELL SELECTION SCORE - BUBBLE CHART

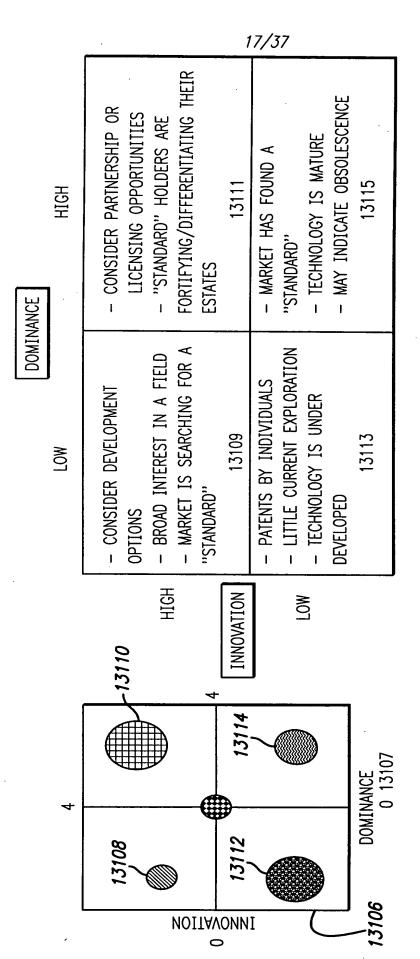
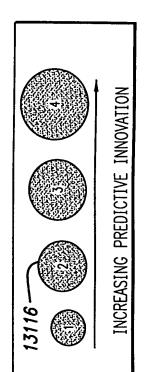


FIG. 13B



80																	
14008	OPTIC ALIGN	900	25.0	80.6	7.0	0.0	0.0	10.5	26.8	20.0	45.0	35.0	59.5	0.0	7.0	31.5	0.0
14006 14007	THERMAL IMAGE	500	59.0	26.4	28.0	0.0	26.3	0.0	26.8	30.1	5.7	3.5	0.0	7.0	14.0	1.8	21.0
14006	MIRELESS NETWORK OR PERMORK OR	C04	0.0	0.0	31.5	0.0	0.0	147.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5
14005	DIGITAL SCAN	003	5.1	0.0	0.0	10.0	0.0	0.0	0.0	28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ORE 14004	DIGITAL IMAGE	c02	46.1	55.4	30.0	0.0	30.0	15.0	18.5	147.3	0.0	0.0	0.0	0.0	45.0	0.0	0.0
00SITE SCC 14003	PHOTORECEPTOR OR PHOTO-RECEPTOR	C01	61.4	0.0	0.0	400.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	260.0	0.0	0.0	0.0
ASSIGNEE COMPOSITE SCORE 14003 14	14010					1											
AS	14001	ASSIGNEE	A	۵	3	Q	L	LL	9	Ŧ	-	Ŋ	¥		М	N	0
16. 14	14002	RANK	-	2	3	. 4	2	9	7	8	6	10	1-	12	13	14	15

18/37

TOLION SONOTION

FIG. 15B

ASSIGNEE COMPOSITE SCORE

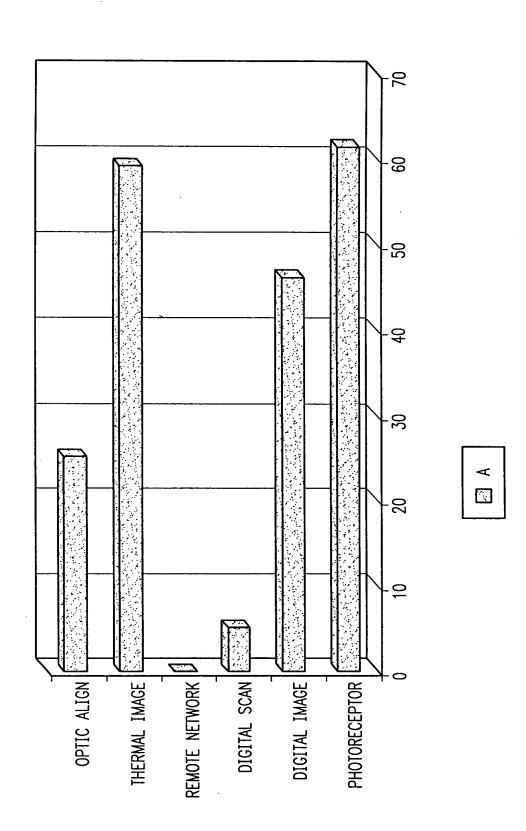


FIG. 15C

ASSIGNEE COMPOSITE SCORE

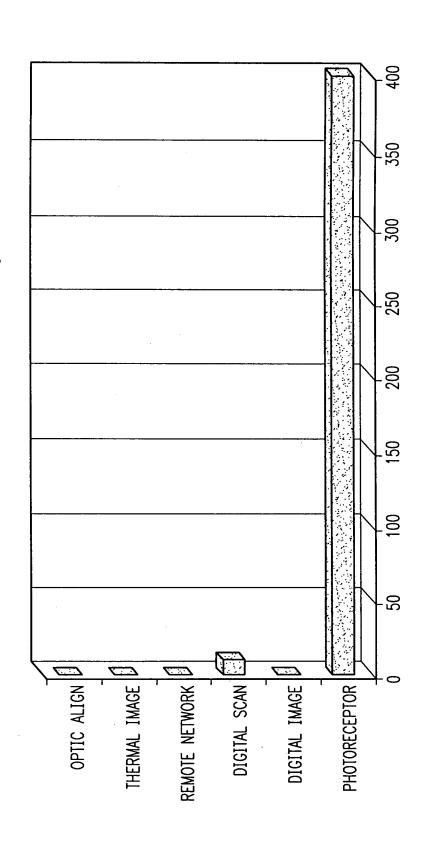


FIG. 15D

ASSIGNEE COMPOSITE SCORE

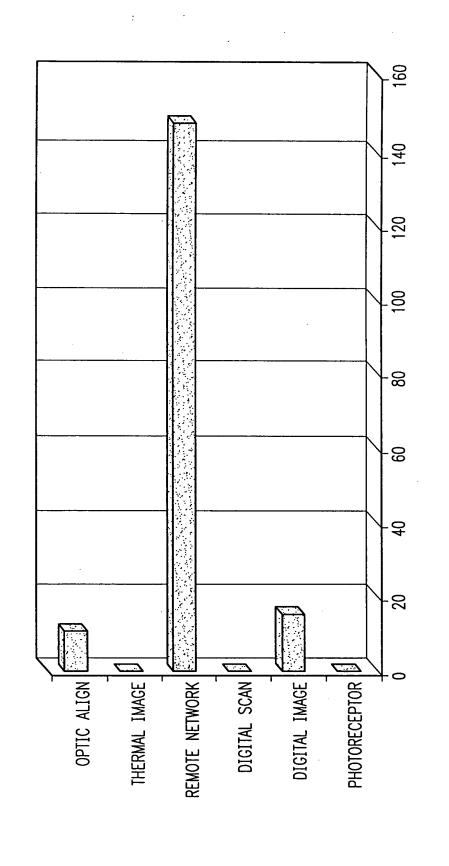


FIG. 15E

ASSIGNEE COMPOSITE SCORE

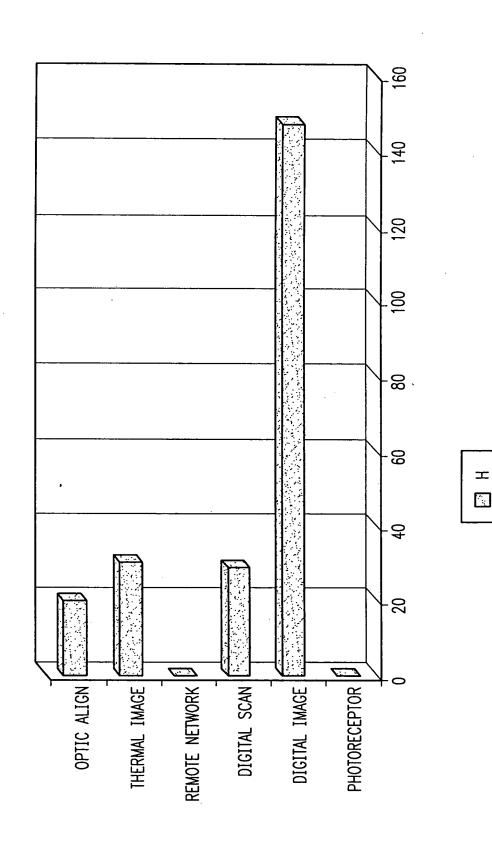
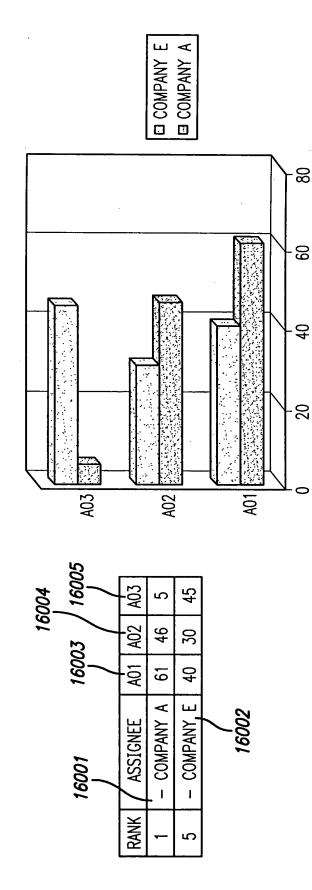
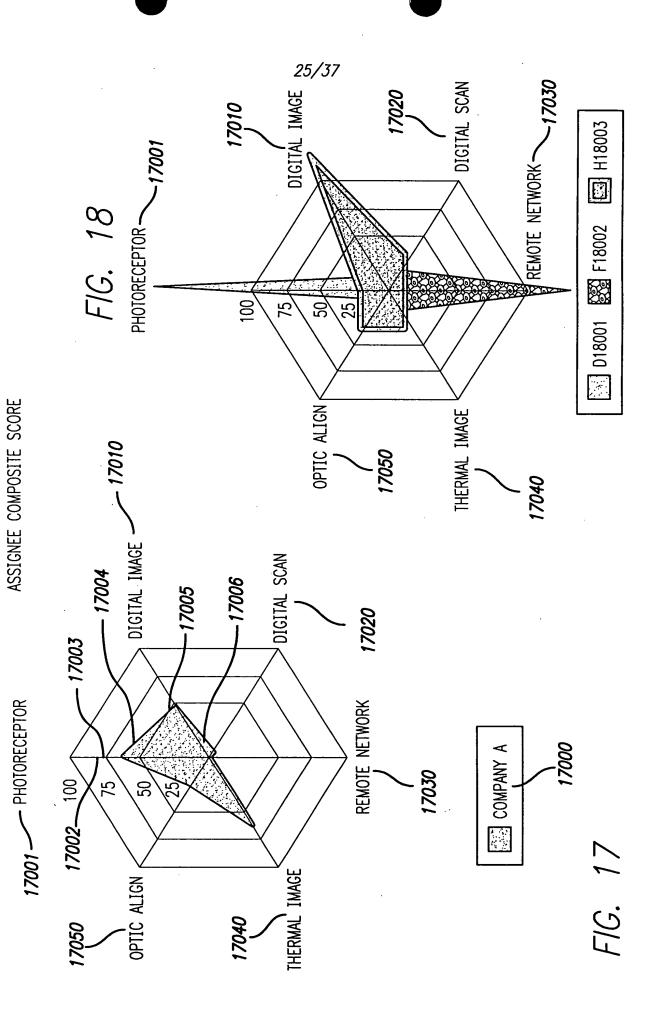


FIG. 16

GRAPHICAL REPRESENTATION OF ASSIGNEE COMPOSITE SCORE





ASSIGNEE COMPOSITE SCORE

FIG. 19

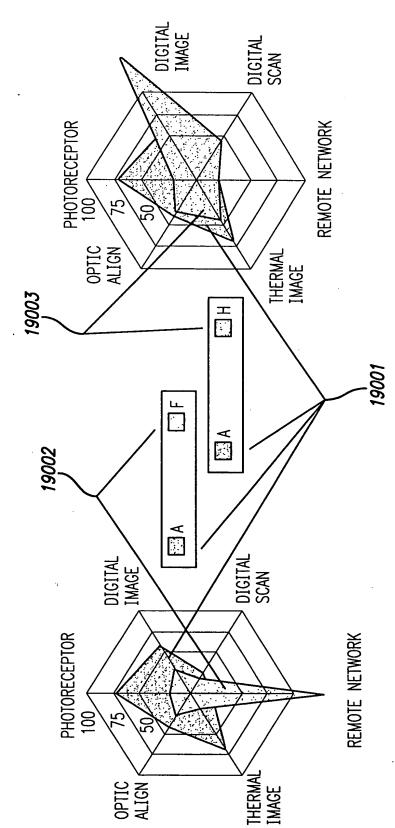


FIG. 20A

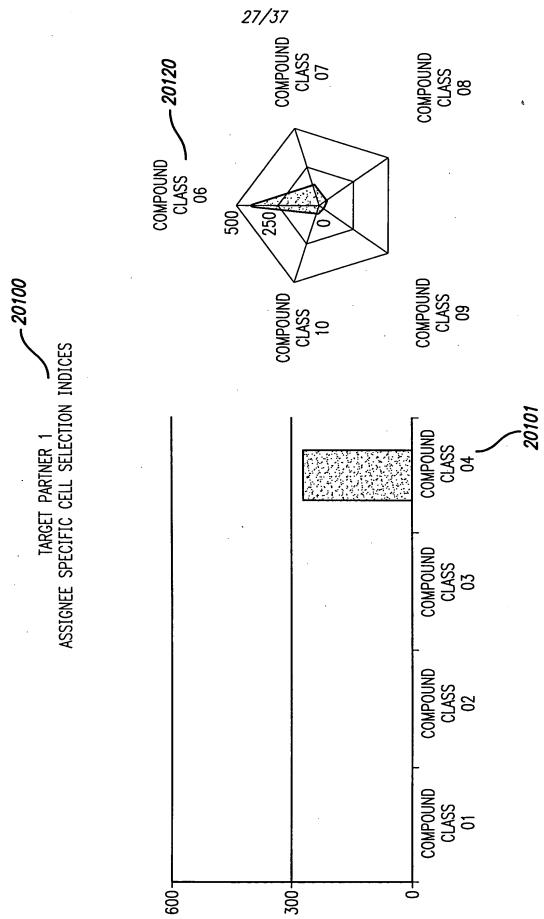
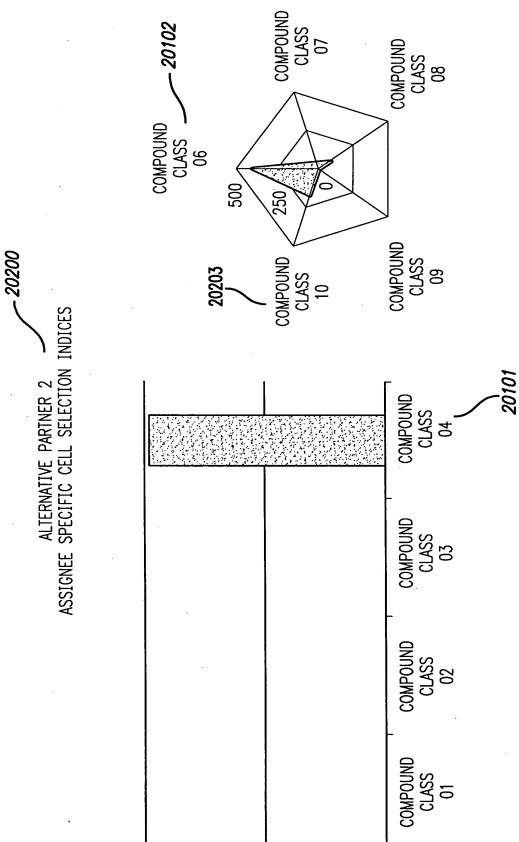


FIG. 20B



300-

-009

0

28/37

FIG. 20C

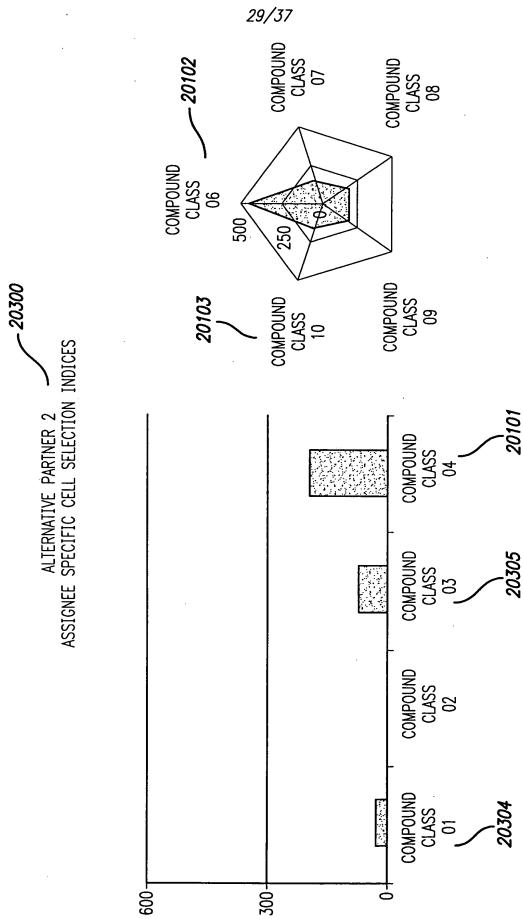
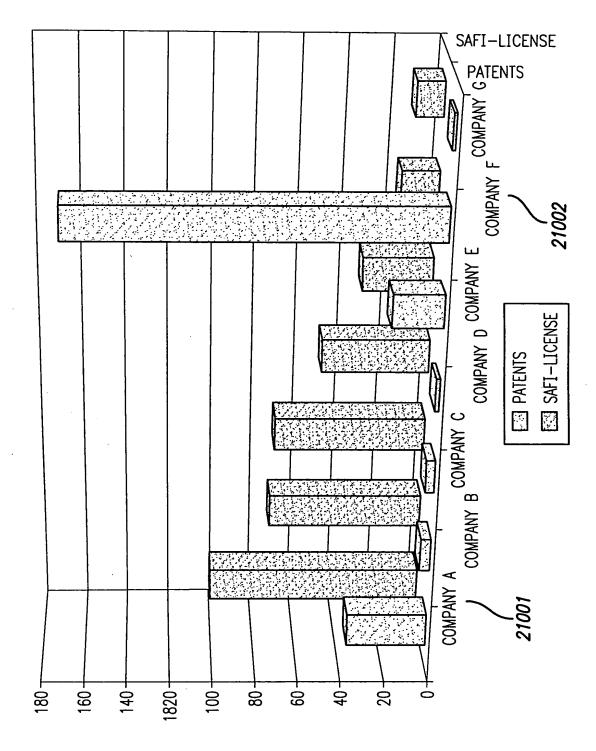


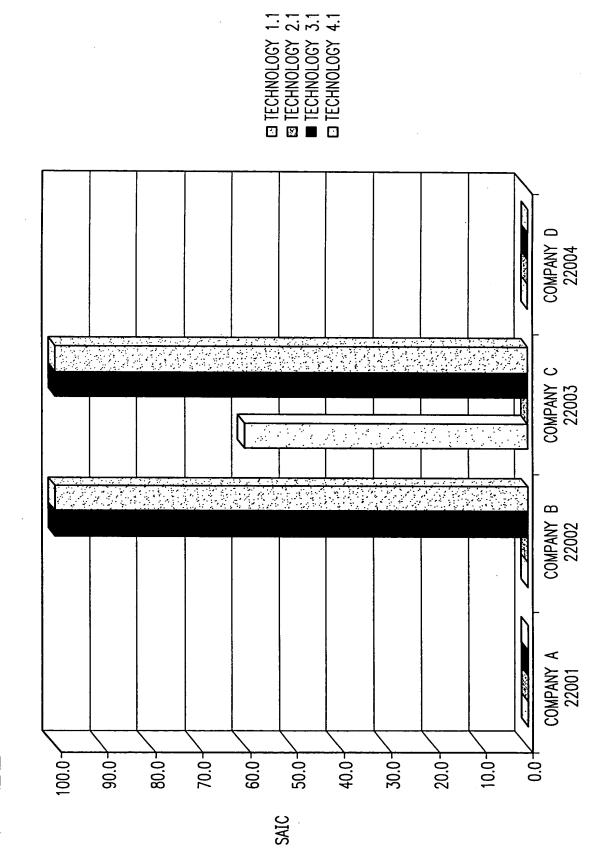
FIG. 21

ASSIGNEE FIELD INDEX VS. PATENT COUNT

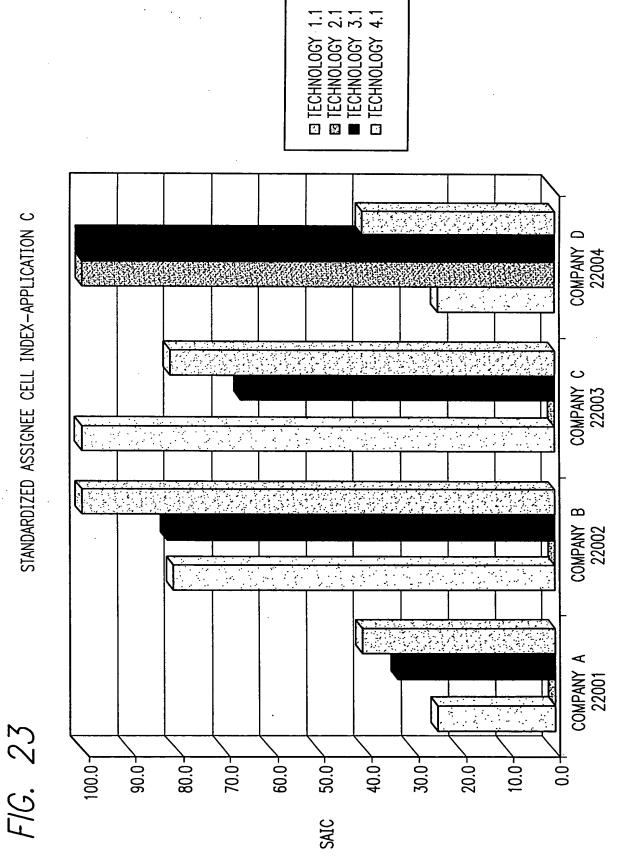


F1G. 22 STAND

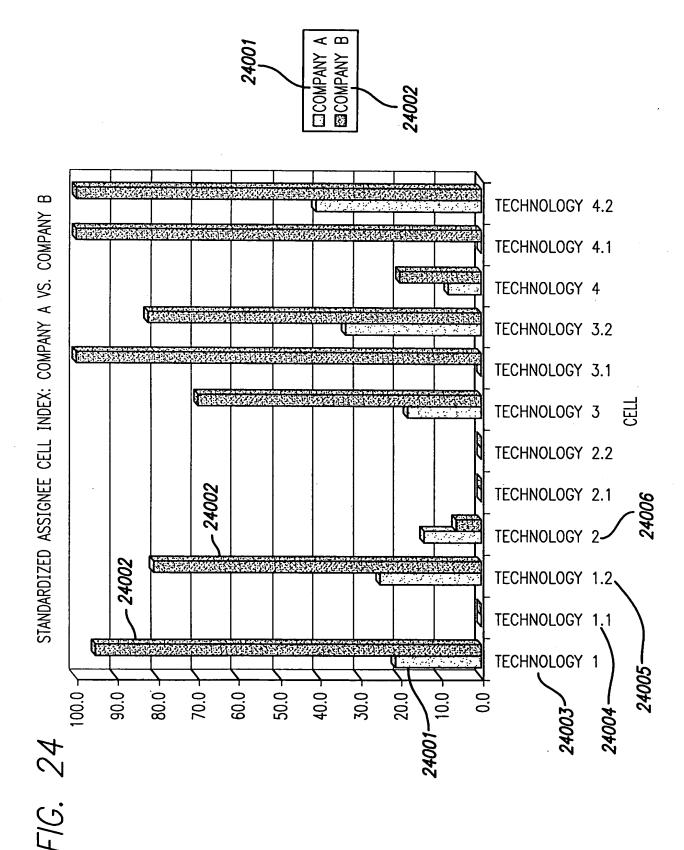
STANDARDIZED ASSIGNEE CELL INDEX-APPLICATION B



31/37



32/37



NATURALLY DEFINED CLUSTERS

							34	1/3	7									
90	S ALIG)IId	0															
E 33	∀NI J∀	EBW	3HT							\	\							
4 NORK 5	2 NEIN	S37.	IBE	M							/	\						
03 N	AL SCA	1191	IO							,	\	\						
E 65	DAMI JA	/1I9	IO							\	_	\	\	/	\			71
01 SS	КЕСЕРТ	1010	НЧ						,					`		-		25001
·					A NEAR INFRARED	משאושאו וואד אוציזאו ע	B FAR INFRARED	- 1	C INFRARED				/		<i></i>			
	OCCURRENCES	18	18	16	14	14	14	10	10	æ	9.00	9	9	9	4	4		
	COUNT OF CELLS	2	2	2	2	2	2	2	2	2	2		2	2	4	4	727	ノンイ
	CLUSTERS	C05,A05	C06,A06	A01,C01	A02,C02	A05,C05	A06,C06	900'90B	C02,C05	C01,A01	C03,C05,C02	C02,C03		908'900	C04,A04,A06,C06	C06,A06,C05,A05		F16. ZJA

FIG. 25B

C02,C03,C05

EASTMAN KODAK
MINNESOTA MINING & MANUFACTURING
TEXAS INSTRUMENTS
UNITED STATES OF AMERICA
HUGHES ELECTRONICS
POLAROID
RAYTHEON
MATSUSHITA INDUSTRIAL ELECTRIC
US PHILIPS
HE HOLDINGS DB0 HUGHES ELECTRONICS
HONEYWELL

HE HOLDINGS DBG HUGHES ELECTRONICS
HONEYWELL
AGFA-GEVAERT
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAIRNS & BROTHER

RAYTHEON II SYSTEMS

FIG. 26

TOP INVENTORS EASTMAN KODAK

				,	35/	37	T								,	
WEIGHTED WEIGHTED HITS ACTIONS	4	2	3	3	4	3	3	4	9	2	-	4	5	-	3	2
WEIGHTED HITS	11	6	9	7	3	3	2	2	2	2	2	3	2	2	2	1
PATENTS	10	8	9	2	2	2	7	l	l l	1	1	1	1	Į .	1	1
HITS	10	8	9	2	2	2	2	2	2	2	2	1	1	1	1	1
CLUSTERS	CHAPMAN, DEREK D.	DEBOER, CHARLES D.	EVANS, STEVEN	BURBERRY, MITCHELL S.	SCHILDKRAUT, JAY S.	TUTT, LEE W.	MOMOI, DAVID	BUGNER, DOUGLAS E.	BYER, GARY W.	KOLB, JR., FREDERICK J.	VOGEL, RICHARD M.	HARVEY, DONALD M.	DE GROOT, GERALD H.	MCLINTYRE, DALE F.	SIMPSON, WILLIAM H.	BLOOM, RICHARD M.

